

Specifications — RGB-DVI 300, RGB-HDMI 300

Video input

Number/signal type.....	1 RGBHV, component video (Y, R-Y, B-Y)
Connectors	1 female 15-pin HD
Nominal level	1.0 Vp-p for Y of component video 0.7 Vp-p for RGB and for R-Y and B-Y of component video
Minimum/maximum levels.....	Analog: 0.0 V to 2.0 Vp-p with no offset
Impedance.....	75 ohms
Horizontal frequency.....	30 kHz to 100 kHz
Vertical frequency.....	50 Hz to 120 Hz
Resolution range	640x480 to 1920x1200* or 480p, 576p, 720p, 1080i, or 1080p

NOTE *Only the reduced blanking version of the 1920x1200 resolution is sampled at full bit rate.

Formats.....	RGB and Y, R-Y, B-Y
Return loss.....	<-30 dB @ 5 MHz

Video processing

Digital sampling.....	24 bit, 8 bits per color; 162 MHz standard
Colors.....	16.78 million

Video output

Number/signal type	
RGB-DVI 300.....	1 single link DVI-D
RGB-HDMI 300	1 single link HDMI
Connectors	
RGB-DVI 300.....	1 female DVI-I (digital output only)
RGB-HDMI 300	1 female HDMI
Scaled resolutions.....	640x480 ^{4,5,6} , 800x600 ^{4,5,6} , 852x480 ^{4,5,6} , 1024x768 ^{4,5,6} , 1024x852 ^{4,5,6} , 1024x1024 ^{4,5,6} , 1280x768 ^{4,5,6} , 1280x800 ^{4,5,6} , 1280x1024 ^{4,5,6} , 1360x765 ^{4,5,6} , 1365x768 ^{4,5,6} , 1365x1024 ^{4,5,6} , 1366x768 ^{4,5,6} , 1400x900 ^{4,5,6} , 1400x1050 ^{4,5} , 1600x1200 ^{4,5} , 1680x1050 ^{4,5} , 1920x1200 ^{4,5} , 480p ⁵ , 576p ⁴ , 720p ^{3,6} , 1080p ^{1,2,3,4,5} , 1080i ^{4,5} ¹ = at 24 Hz, ² = at 25 Hz, ³ = at 30 Hz, ⁴ = at 50 Hz, ⁵ = 60 Hz, ⁶ = 75 Hz; <i>or</i> automatically selected resolution based on display EDID data; <i>or</i> locked to the input's resolution and refresh rate
Formats.....	RGB and YCbCr digital video

Sync

Input type.....	RGBHV or tri-level component video
Output type.....	DVI-D or HDMI digital video
Standards.....	DVI 1.0, HDMI 1.2
Input level	0 V to 5.0 Vp-p
Input impedance	1k ohms

Control/remote— decoder

Serial control ports.....	1 RS-232, 3.5 mm captive screw connector, 3 pole (rear panel) 1 RS-232, 2.5 mm mini stereo jack (front panel)
Baud rate and protocol.....	9600 baud, 8 data bits, 1 stop bit, no parity
Serial control pin configurations.	1 = TX, 2 = RX, 3 = GND
Program control.....	Extron's control/configuration program for Windows® Extron's Simple Instruction Set (SIS™)

Specifications — RGB-DVI 300, RGB-HDMI 300, cont'd

General

External power supply	100 VAC to 240 VAC, 50/60 Hz, external; to 12 VDC, 2 A, regulated
Power input requirements	12 VDC, 1 A
Temperature/humidity	Storage -40° to +158°F (-40° to +70°C) / 10% to 90%, noncondensing Operating +32° to +122°F (0° to +50°C) / 10% to 90%, noncondensing
Cooling	Convection, no vents
Mounting	
Rack mount	Yes, with optional 1U, 9.5" deep rack shelf (RSU 129, #60-190-01; RSB 129, 60-604-01); or 1U, 6" deep rack shelf (RSU 126, #60-190-10; RSB 126, 60-604-10)
Furniture mount	Furniture or wall mountable using optional MBU 125 mounting kit, part #70-077-01 Through-furniture mountable using optional MBD 129 mounting kit, part #70-077-02
Enclosure dimensions	1.0 H x 8.75" W x 6.0" D (half rack wide) (2.5 cm H x 22.2 cm W x 15.2 cm D) (Depth excludes connectors and knobs.)
Product weight	1.6 lbs (0.7 kg)
Shipping weight	4 lbs (2 kg)
Vibration	ISTA/NSTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety	CE, CUL, UL
EMI/EMC	CE, C-tick, FCC Class A, ICES, VCCI
Environmental	Complies with the appropriate requirements of WEEE.
MTBF	30,000 hours
Warranty	3 years parts and labor

NOTE All nominal levels are at $\pm 10\%$.

NOTE Specifications are subject to change without notice.

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